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UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/013,071	12/10/2001	Zhaoning Zhu	IN01174

24265  
SCHERING-PLough CORPORATION  
PATENT DEPARTMENT (K-6-1, 1990)  
2000 GALLOPING HILL ROAD  
KENILWORTH, NJ 07033-0530



CONFIRMATION NO. 1388  
FORMALITIES LETTER



"OC000000007329573"

Date Mailed: 01/18/2002

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**

**FILED UNDER 37 CFR 1.53(b)**

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

*A copy of this notice **MUST** be returned with the reply.*

*mer*  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

04/03/2002 BABRAKA1 00000022 190365 10013071

01 FC:105 130.00 CH

<b>PATENT DEPARTMENT RECEIVED</b>	
JAN 25 2002	
<i>[Signature]</i>	
ROUTE TO COMMENTS	
<input type="checkbox"/> COMPUTER INPUT <input checked="" type="checkbox"/> BZA <input type="checkbox"/> DEBIT NOTE ENTERED COMPLETED <input type="checkbox"/> BY <i>[Signature]</i>	



## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/013,071	12/10/2001	1614	2538	IN01174		94	5



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 SCHERING-PLOUGH CORPORATION  
 PATENT DEPARTMENT (K-6-1, 1990)  
 2000 GALLOPING HILL ROAD  
 KENILWORTH, NJ 07033-0530

CONFIRMATION NO. 1388

## FILING RECEIPT



\*OC000000007329572\*

Date Mailed: 01/18/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you receive a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Srikanth  
 Zhaoning Zhu, East Windsor, NJ;  
 Zhong-Yue Sun, Parlin, NJ;  
 Srikanth Venkatraman, Woodbridge, NJ;  
 F. George Njoroge, Warren, NJ;  
 Ashok Arasappan, Bridgewater, NJ;  
 Bruce A. Malcolm, Westfield, NJ;  
 Viyyoor M. Girijavallabhan, Parsippany, NJ;  
 Raymond G. Lovey, West Caldwell, NJ;  
 Kevin X. Chen, Iselin, NJ;

*Missing Parts  
 Due: March 18, 2002*

## Assignment For Published Patent Application

SCHERING CORPORATION;

## Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/254,869 12/12/2000

## Foreign Applications

If Required, Foreign Filing License Granted 01/14/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**PATENT DEPARTMENT RECEIVED**

*JAN 2002*

**ROUTE TO COMMENTS**

COMPUTER INPUT  
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 COMPLETED BY *OSK*



PATENT IN01174

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Zhu *et al* ) Examiner: To Be Assigned  
Application No.: 10/013,071 ) Group Art Unit: 1614  
Filed: December 10, 2001 )  
For: )  
**DIARYL PEPTIDES AS NS3-SERINE PROTEASE INHIBITORS OF HEPATITIS C VIRUS**

Assistant Commissioner For Patents

Attention: Customer Service Center- Initial Patent Examination Division  
Washington, D.C. 20231

**MISSING PARTS AND CORRECTION OF FILING RECEIPT**

Sir:

The subject non-provisional patent application, Serial No. 10/013,071 was filed on December 10, 2001. At the time of filing, the signed Declaration/Power of Attorney from the inventors was missing. Applicants are now filing the Declaration and Power of Attorney, signed by the inventors. A copy of the "Notice to File Missing Parts of Non-Provisional Application" is attached. The Office is authorized to charge the \$ 130.00 fee to Account Number 19-0365. Additionally, a one-month late fee of \$ 110.00 may be charged to the same Charge Account.

Furthermore, the Filing Receipt received in this case needs to be corrected for the following mistakes:

The first name of inventor Venkatraman should be corrected to "Srikanth". A copy of the filing receipt with the corrections marked thereon is attached.

Please send a corrected filing receipt.

If there are any questions, the Office is invited to contact the undersigned.

Respectfully submitted,

March 21, 2002  
Schering-Plough Corporation  
2000 Galloping Hill Road  
Patent Department, K-6-1,1990  
Kenilworth, NJ 07033  
Tel: (908) 298-5068  
Fax: (908) 298-5388

  
Dr. Palaiyur S. Kalyanaraman  
Attorney for Applicants  
Reg. No. 34,634

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

3/21/02  
Date of Deposit

PALAIYUR S. KALYANARAMAN  
Registered Representative

3/21/02  
Signature

3/21/02  
Date of Signature



#3  
Releaspt

Please type a plus sign (+) inside this box →

PTO/SB/21 (6-98)  
Approved for use through 09/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/013,071
		Filing Date	12/10/01
		First Named Inventor	ZHU, et al.
		Group Art Unit	1614
		Examiner Name	To Be Assigned
Total Number of Pages in This Submission	13	Attorney Docket Number	IN01174

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Filing Receipt Return Post Card
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	SCHERING-PLough CORPORATION PATENT DEPARTMENT, K-6-1-1990 PALAIYUR S. KALYANARAMAN
Signature	
Date	March 21, 2002

### CERTIFICATE OF MAILING

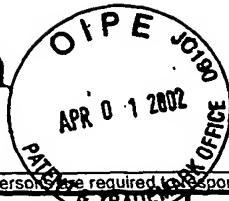
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: March 21, 2002

Typed or printed name	PALAIYUR S. KALYANARAMAN		
Signature		Date	March 21, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 240.00)

## Complete if Known

Application Number	10/013,071
Filing Date	12/10/01
First Named Inventor	ZHU, et al
Examiner Name	To Be Assigned
Group Art Unit	1614
Attorney Docket No.	IN01174

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0365

Deposit Account Name Schering-Plough Corporation

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity  
Fee Code (\$ Fee Code (\$)

101	740	201	370	Utility filing fee
106	330	206	165	Design filing fee
107	510	207	255	Plant filing fee
108	740	208	370	Reissue filing fee
114	160	214	80	Provisional filing fee

## Fee Paid

## SUBTOTAL (1) (\$)

## 2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20**	=	
			-3**	=	
				=	

Large Entity Small Entity  
Fee Code (\$ Fee Code (\$)

103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

## SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee	Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath	\$130.00
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English specification	
147	2,520	147	2,520 For filing a request for ex parte reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	
115	110	215	55 Extension for reply within first month	\$110.00
116	400	216	200 Extension for reply within second month	
117	920	217	460 Extension for reply within third month	
118	1,440	218	720 Extension for reply within fourth month	
128	1,960	228	980 Extension for reply within fifth month	
119	320	219	160 Notice of Appeal	
120	320	220	160 Filing a brief in support of an appeal	
121	280	221	140 Request for oral hearing	
138	1,510	138	1,510 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	460	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Processing fee under 37 CFR 1.17(q)	
126	180	126	180 Submission of Information Disclosure Stmt	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	
Other fee (specify) _____				

\*Reduced by Basic Filing Fee Paid

## SUBTOTAL (3) (\$ 240.00)

## SUBMITTED BY

Name (Print/Type)	PALAIYUR S. KALYANARAMAN	Registration No. (Attorney/Agent)	34634	Telephone	(908)298-5068
Signature				Date	March 21, 2002

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